EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	540	717/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/14 17:05
S2	389	717/104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 11:22
S3	483	717/116.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 11:23
S4	2	"6877153".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 15:35
S7	211	pattern same develop$4 adj (software or application or program) and object and process	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 17:06
S8	32	business same role same pattern	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 17:12
S9	542	(gui or ui or "user interface") near3 pattern	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 17:13
S10	58	(gui or ui or "user interface") near3 pattern and "design pattern" and (work or action or business or role or process)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 17:14
S11	32	(gui or ui or "user interface") near3 pattern and "design pattern" and (work or action or business or role or process) adj pattern	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 17:24

EAST Search History

S12	31	(gui or ui or "user interface") near3 pattern and "design pattern" and (work or action or business or role or process) adj pattern and collaboration	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 17:26
S13	1	"6601233".pn. and collaboration	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 10:10
S14	6	"6601233".pn. "20020104068"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 10:11
S15	22	"pattern type" near5 (requirement or specification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/14 17:08
S16	6	"design pattern" near3 type same (requirement or specification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/14 17:11
S17	0	(reusable near3 "object oriented") near5 pattern same type same (requirement or specification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/14 17:12
S18	3	(business near3 object) near5 pattern same type same (requirement or specification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/14 17:15
S19	16	(business near3 process) near5 (object or framework or pattern) same type same (requirement or specification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/14 17:28
S20	61	(business near3 phase) and (object or framework or pattern) same type same (requirement or specification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/14 17:29
S21	190	business near3 (phase or object or framework or pattern) same type same (requirement or specification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/14 17:29

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S22	1	("6269473").PN. OR ("7000219").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 17:37
S23	32721	configur$5 near5 pattern	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 17:38
S24	81	(configur$3 near3 pattern) same (requirement or specification)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 17:57
S25	1310	work near3 (flow role process) same (requirement or specification)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 17:58
S26	965	work near2 (flow role process) same (requirement or specification)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 18:00
S27	296	work adj (flow role process) same (requirement or specification)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 18:07
S28	1	"6370681".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/15 10:58
S29	40	"digital dashboard"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/15 10:58
S30	40	"digital dashboard" and (object or library or repository or framework or role or process)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/15 10:59
S31	473	(pattern or framework) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif$3 or object) and (pattern or framework) near3 (process or task or method or step)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 17:11
S32	182	(identif$7 near5 type) and (pattern or framework) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif$3 or object) and (pattern or framework) near3 (process or task or method or step)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 16:53
S33	148	(identif$7 near5 type) and (pattern or framework) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif$3 or object) and (pattern or framework) near3 (process or task or method or step) and (requir$5 near3 (software or application or develop$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 16:54

S34	4	(identif$7 near5 type) and (pattern or framework) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif$3 or object) and (pattern or framework) near3 (process or task or method or step) and (requir$5 near3 (software or application or develop$4)) and ((pattern or framework) near3 best) same require$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 16:55
S35	82	(pattern or framework) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif$3 or object) and (pattern or framework) near3 (process or task or method or step) and 717/1??.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 17:23
S36	56	(pattern or framework) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif$3 or object) and (pattern or framework) near3 (process or task or method or step) and 717/1??.ccls. and requirements	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:12
S37	56	(pattern or framework) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif$3 or object) and (pattern or framework) near3 (process or task or method or step) and 717/1??.ccls. and requirements	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:12
S38	60	(pattern or framework or template) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif$3 or object) and (pattern or framework) near3 (process or task or method or step) and 717/1??.ccls. and requirements	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:13
S39	8	(pattern or framework or template) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif$3 or object) and (pattern or framework) near3 (process or task or method or step) and 717/1??.ccls. and requirements near3 (configur$5 or incorporat$3 or map$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:27

S40	15	717/108.ccls. and (pattern or framework or template) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif$3 or object) and (pattern or framework) near3 (process or task or method or step) and requirements and (configur$5 or incorporat$3 or map$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:29
S41	3	717/106.ccls. and (pattern or framework or template) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif$3 or object) and (pattern or framework) near3 (process or task or method or step) and requirements and (configur$5 or incorporat$3 or map$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:29
S42	5	717/107.ccls. and (pattern or framework or template) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif$3 or object) and (pattern or framework) near3 (process or task or method or step) and requirements and (configur$5 or incorporat$3 or map$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:29
S43	5	717/109.ccls. and (pattern or framework or template) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif$3 or object) and (pattern or framework) near3 (process or task or method or step) and requirements and (configur$5 or incorporat$3 or map$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:29
S44	0	717/110.ccls. and (pattern or framework or template) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif$3 or object) and (pattern or framework) near3 (process or task or method or step) and requirements and (configur$5 or incorporat$3 or map$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:29
S45	24	S40 S41 S42 S43 S44	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:30

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1 A model for compound type changes encountered in schema evolution
◈ Barbara Staudt Lerner
   March 2000 **ACM Transactions on Database Systems (TODS)**, Volume
   Publisher: ACM Press
   Full text available: 📄 pdf(430.66 Additional Information: full citation, abst
                        KB)   citings, index ten

   Schema evolution is a problem that is faced by long-lived data. When a ‹
   existing persistent data can become inaccessible unless the database syst
   mechanisms to access data created with previous versions of the schema
   systems that support schema evolution focus on changes local to individ‹
   schema, thereby limiting the changes that the database maintainer can pε
   developed a model of type changes involving multiple types ...

   Keywords: persistent programming languages, schema evolution

2 The use of web structure and content to identify subjectively interesting wε
◈ Robert Cooley
   May 2003 **ACM Transactions on Internet Technology (TOIT)**, Volumε
   Publisher: ACM Press

Full text available: 🖫 pdf(540.06 Additional Information: <u>full citation</u>, <u>abst</u>
               <u>KB)</u>   <u>index terms</u>

The discipline of Web Usage Mining has grown rapidly in the past few y
crash of the e-commerce boom of the late 1990s. Web Usage Mining is t
data mining techniques to Web clickstream data in order to extract usage
all of the resources put into the problem, claims of success have been lin
tied to specific Web site properties that are not found in general. One rea
success has been a component of Web Usage Mi ...

Keywords: Data mining, Web usage mining, World Wide Web

3 <u>Emergent web patterns: The connectivity sonar: detecting site functionality</u>
◈ <u>patterns</u>
Einat Amitay, David Carmel, Adam Darlow, Ronny Lempel, Aya Soffer
August 2003 **Proceedings of the fourteenth ACM conference on Hyperl**
               hypermedia
Publisher: ACM Press
Full text available: 🖫 pdf(153.40 Additional Information: <u>full citation</u>, <u>abst</u>
               <u>KB)</u>   <u>citings</u>, <u>index ten</u>

Web sites today serve many different functions, such as corporate sites, s
stores, and so forth. As sites are created for different purposes, their stru
connectivity characteristics vary. However, this research argues that sites
exhibit similar structural patterns, as the functionality of a site naturally i
hyperlinked structure and typical connectivity patterns to and from the re
Thus, the functionality of Web sites is refle ...

Keywords: link analysis, web IR, web graphs

4 <u>Section 05: home and neighbourhood: Pattern-based support for interactive</u>
◈ <u>settings</u>
Andy Crabtree, Terry Hemmings, Tom Rodden
June 2002 **Proceedings of the conference on Designing interactive syste**
               practices, methods, and techniques
Publisher: ACM Press

Full text available: pdf(390.91 KB)   Additional Information: full citation, abst citings, index ter

Designing for future domestic environments offers a challenge for every design of new technologies. The move from the office, and working env: general, has highlighted the need for new techniques for understanding tl conveying findings to technology developers. This paper presents a patte informing the design of technology for future domestic settings. The app the original work of Alexander and seeks to support the on-goin ...

Keywords: domestic environment, ethnography, patterns of action and t

5 Bus encoding and memory optimization: Memory access pattern analysis a design for multimedia applications
Junghee Lee, Chanik Park, Soonhoi Ha
January 2003 **Proceedings of the 2003 conference on Asia South Pacific ASPDAC**
Publisher: ACM Press
Full text available: pdf(260.53 KB)   Additional Information: full citation, abst

Memory system is a major performance and power bottleneck in embedc especially for multimedia applications. Most multimedia applications ac data structures with regular access patterns. It is observed that conventio poorly for stream-type data structure. Therefore, prediction-based prefet have been extensively researched to exploit the regular access patterns. I however, may pollute the cache if the prediction is not accura ...

6 Building perceptual textures to visualize multidimensional datasets
Christopher G. Healey, James T. Enns
October 1998 **Proceedings of the conference on Visualization '98**
Publisher: IEEE Computer Society Press
Full text available: pdf(1.62 MB) Publisher Site   Additional Information: full citation, refe: index terms

Keywords: computer graphics, experimental design, human vision, mult
dataset, oceanography, perception, preattentive processing, scientific vis
typhoon

7 Computer analysis of user interfaces based on repetition in transcripts of us
Antonio C. Siochi, Roger W. Ehrich
October 1991 **ACM Transactions on Information Systems (TOIS)**, Vol
Publisher: ACM Press
Full text available: pdf(1.74   Additional Information: full citation, refe:
MB)   index terms, revi

8 Detecting patterns and OLAP operations in the GOLD model
Juan Trujillo, Manuel Palomar, Jaime Gómez
November 1999 **Proceedings of the 2nd ACM international workshop o
warehousing and OLAP**
Publisher: ACM Press
Full text available: pdf(785.68 Additional Information: full citation, abst
KB)   citings, index ter

The aim of our GOLD model ([7], [9]) is to provide an Object Oriented (
Multidimensional data model supported by an OO formal specification l
us to automatically generate prototypes from the specification at the con
therefore, to animate and check system properties. Within the context of
automatic prototyping, the basis of the mapping from modeling to progr
on the identification of (cardinality and beh ...

9 Session 4 (full technical papers): evolution patterns and models: Evolution
source software systems and communities
Kumiyo Nakakoji, Yasuhiro Yamamoto, Yoshiyuki Nishinaka, Kouichi Ki
May 2002 **Proceedings of the International Workshop on Principles of
Evolution**
Publisher: ACM Press
Full text available: pdf(1.06   Additional Information: full citation, abst
MB)   citings

Open-Source Software (OSS) development is regarded as a successful m
"natural product evolution". To understand how this "natural product ev(
have conducted a case study of four typical OSS projects. Unlike most p
software evolution that focus on the evolution of the system per se, our s
perspective: It examines not only the evolution of OSS systems, but also
associated OSS communities, as well as th ...

Keywords: case study, open-source software (OSS), open-source softwa
software evolution

10 <u>Toward semantics-based answer pinpointing</u>
Eduard Hovy, Laurie Gerber, Ulf Hermjakob, Chin-Yew Lin, Deepak Ravi
March 2001 **Proceedings of the first international conference on Huma**
technology research HLT '01
Publisher: Association for Computational Linguistics
Full text available: pdf(81.10   Additional Information: <u>full citation</u>, <u>abst</u>
<u>KB)</u>   <u>citings</u>

We describe the treatment of questions (Question-Answer Typology, qu(
results) in the Weblcopedia question answering system.

11 <u>The building blocks for specifying communication behavior of complex ot</u>
<u>driven approach</u>
Ling Liu, Robert Meersman
June 1996 **ACM Transactions on Database Systems (TODS)**, Volume 2
Publisher: ACM Press
Full text available: pdf(699.84 Additional Information: <u>full citation</u>, <u>abst</u>
<u>KB)</u>   <u>citings</u>, <u>index ter</u>

Communication behavior represents dynamic evolution and cooperation
objects in accomplishing a task. It is an important feature in object-orien
propose the concept of activity as a basic building block for declarative s
communication behavior in object-oriented database systems, including
ordering of message exchanges within object communication and the bel
relationships between activity executions. We formally introduce two ki

Keywords: activity aggregation, activity patterns, activity specialization
behavior, first-order temporal logic, object-oriented databases, synchron

12 <u>The LRPD test: speculative run-time parallelization of loops with privatiza</u>
<u>parallelization</u>
Lawrence Rauchwerger, David Padua
June 1995 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLA**
on Programming language design and implementation PLD
Issue 6
Publisher: ACM Press
Full text available: <u>pdf(1.74</u>   Additional Information: <u>full citation, abst</u>
<u>MB)</u>   <u>citings, index ter</u>

Current parallelizing compilers cannot identify a significant fraction of p
because they have complex or statically insufficiently defined access pat
parallelizable loops arise frequently in practice, we advocate a novel frar
identification: speculatively execute the loop as a doall, and apply a full
dependence test to determine if it had any cross-iteration dependences; i
the loop is re-executed serially. Since ...

13 <u>Layered patterns for business interaction</u>
Mikael Lind, Göran Goldkuhl
August 2001 **ACM SIGGROUP Bulletin,** Volume 22 Issue 2
Publisher: ACM Press
Full text available: <u>pdf(888.60</u>
<u>KB)</u>   Additional Information: <u>full citation, abst</u>

Business modelling is needed in order to highlight the essentials of busir
developing information systems. Patterns of inter-related speech acts are
identifying essentials in Language/Action-oriented approaches for busin
Weigand et al. has made an attempt to conceptualise the notion of patter
architecture founded in such approaches. In this paper we present a fram
layered patterns for business interaction inspired by a critical ...

14 <u>Coping with type casts in C</u>
Michael Siff, Satish Chandra, Thomas Ball, Krishna Kunchithapadam, The
October 1999 **ACM SIGSOFT Software Engineering Notes , Proceedin**
European software engineering conference held jointly w
SIGSOFT international symposium on Foundations of so

ESEC/FSE-7, Volume 24 Issue 6
Publisher: Springer-Verlag, ACM Press
Full text available: ⊞ pdf(1.32   Additional Information: full citation, abst
                     MB)   citings, index ten

The use of type casts is pervasive in C. Although casts provide great flex
programs, their use obscures the meaning of programs, and can present c
maintenance. Casts involving pointers to structures (C structs) are partici
because by using them, a programmer can interpret any memory region t
type, thereby compromising C's already weak type system.This paper pro
for making sense of such casts, i ...

15 Evaluation of an algorithm for finding a match of a distorted texture patten
database
N. Vujovic, D. Brzakovic
January 1998 **ACM Transactions on Information Systems (TOIS)**, Voh
Publisher: ACM Press
Full text available: ⊞ pdf(499.06 Additional Information: full citation, abst
                     KB)   index terms

Evaluation of an algorithm for finding a match for a random texture patt
database is presented. The algorithm was designed assuming that the ran
subject to misregistration relative to its representation in the database an
may have missing parts. The potential applications involve authenticatio
documents, bank notes, or credit cards, where thin fibers are embedded r
document medium during medium fabrication. Th ...

Keywords: image database, image matching, misregistration, presentatic
random pattern

16 Activity patterns in health care: identifying building blocks for the CPR
Nathalie Habing, Jan Dietz, Berti Zwetsloot-Schonk
August 2001 **ACM SIGGROUP Bulletin**, Volume 22 Issue 2
Publisher: ACM Press
Full text available: ⊞ pdf(809.54 Additional Information: full citation, abst
                     KB)   citings
Concerning the development and adoption of the computer-based patien

unsolved problem is still the approach that should be taken to construct a
configurable, generic CPR. The first step in finding such an approach, is
generic activity patterns. These are considered to be helpful in the identi
components. We identified twelve generic activity patterns in the interac
patient and a care-cluster.

17 Data remapping for design space optimization of embedded memory syste
Rodric M. Rabbah, Krishna V. Palem
May 2003 **ACM Transactions on Embedded Computing Systems (TEC**
2
Publisher: ACM Press
Full text available: pdf(885.05 Additional Information: full citation, abst
KB)   citings, index ten

In this article, we present a novel linear time algorithm for *data remappi*
lightweight; (ii) fully automated; and (iii) applicable in the context of po
programming languages with dynamic memory allocation support. All p
area lacks one or more of these features. We proceed to demonstrate a *nc*
this algorithm as a key step in optimizing the design of an embedded mei
Specifically, we show that by virtue of lo ...

Keywords: Design space exploration, caches, compiler optimization, da
embedded systems, memory hierarchy, memory subsystem

18 Automatic hypertext link typing
James Allan
March 1996 **Proceedings of the the seventh ACM conference on Hyper**
Publisher: ACM Press
Full text available: pdf(919.78 Additional Information: full citation, refe
KB)   index terms

Keywords: information retrieval, link generation, link types

19
Systems: Description of the SAIC DX system as used for MUC-6

Lance A. Miller
November 1993 **Proceedings of the 6th conference on Message underst:**
Publisher: Association for Computational Linguistics
Full text available: 📄 pdf(776.43
KB)   Additional Information: full citation, abst

This is a very young project, operational for only a few months. The foci
data-extraction, the identification of instances of *data-classes* in "comm
newspapers, technical reports, business correspondence, intelligence brie
data-classes in text are phrases which identify factual content, such as na
organizations, products, financial amounts, quantities, and so forth.

20 Decision lists for lexical ambiguity resolution: application to accent restora
French
David Yarowsky
June 1994 **Proceedings of the 32nd annual meeting on Association for (**
        Linguistics
Publisher: Association for Computational Linguistics
Full text available: 📄 pdf(962.09
        KB) 📄   Additional Information: full citation, abst
        Publisher   citings
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This paper presents a statistical decision procedure for lexical ambiguity
algorithm exploits both local syntactic patterns and more distant collocat
generating an efficient, effective, and highly perspicuous recipe for resol
ambiguity. By identifying and utilizing only the single best disambiguati
target context, the algorithm avoids the problematic complex modeling c
dependencies. Although directly applicable to a wide cla ...

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1 Workshop on Architecting Dependable Systems (WADS): An architectura
functional dependability requirements
Lihua Xu, Hadar Ziv, Debra Richardson, Thomas A. Alspaugh
May 2005 **ACM SIGSOFT Software Engineering Notes , Proceedings (**
          **workshop on Architecting dependable systems WADS '05, **
Publisher: ACM Press
Full text available: 📄 pdf(192.90 Additional Information: full citation, abst
                    KB)   index terms

We address the research question of transforming dependability requiren
corresponding software architecture constructs. by proposing first that d(
can be classified into three types of requirements and second, an architec
allows requirements engineers and architects to map dependability requi:
corresponding types of architectural components. The proposed pattern i
work with existing requirements techniques and existi ...

Keywords: architecture patterns, aspects, nonfunctional requirements, s(

2 Papers: Quantifiable architecting of dependable systems of embedded syste
Sheldon X. Liang, Valdis Berzins Luqi
November 2003 **ACM SIGSOFT Software Engineering Notes,** Volume
Publisher: ACM Press

Full text available: 📄 pdf(839.26 Additional Information: <u>full citation</u>, <u>abst</u>
KB)

Architecture is a critical aspect in the successful development and evolut
systems of embedded systems (SoES). Quantifiably architecting such sy:
establishing consensus from the particular perspectives of quality attribu
there are few established approaches for rapidly prototyping architecture
architectural artifacts that carry quantifiable constraints throughout the s(
development processes. This paper presents a quantifiabl ...

Keywords: compatible composition and compositional patterns, quality
quantifiable architecture and assessment

3 <u>Second international workshop on model driven web engineering (MDWE</u>
◈ <u>development of user-friendly web applications</u>
Ina Wentzlaff, Markus Specker
July 2006 **Workshop proceedings of the sixth international conference**
engineering ICWE '06
Publisher: ACM Press
Full text available: 📄 pdf(274.96   Additional Information: <u>full citation</u>, <u>abst</u>
KB)

Using patterns to preserve common problem-solving knowledge is a ver
Each computer science community applies its own techniques to docume
principles for the handling of recurring software development questions
various pattern collections were evolved for dealing with specific proble
community. As a result comparable patterns or redundant pattern descrip
different collections leading unintentionally to a "rein ...

Keywords: design patterns, human-computer interaction, problem frame
engineering, usability

4 <u>Driving the composition of runtime platforms by architectural knowledge</u>
◈ Lothar Baum, Martin Becker, Lars Geyer, Georg Molter, Peter Sturm
September 1998 **Proceedings of the 8th ACM SIGOPS European work:**
for composing distributed applications
Publisher: ACM Press

Full text available: ⬚ pdf(650.77 Additional Information: <u>full citation</u>, <u>inde</u>
KB)

5 <u>Workshop papers: Architecture-based problem frames constructing for soft</u>
◈ CHU Wang, QIAN Depei, LIU Chuda
May 2006 **Proceedings of the 2006 international workshop on Advance**
of problem frames IWAAPF '06
Publisher: ACM Press
Full text available: ⬚ pdf(215.74 Additional Information: <u>full citation</u>, <u>abst</u>
KB)   <u>index terms</u>

Reusability is not universal property of program codes. The problem frar
software component reuse effectively. The problem frames approach pro
opportunity for software developers to gain experience and expertise for
This paper proposes architecture-based problem frames constructing pro
traceable problem patterns (business patterns and requirements patterns),
between problem space and software requirements is estab ...

Keywords: architecture-based modeling, patterns, problem frames appro

6 <u>Modularisation and composition of aspectual requirements</u>
◈ Awais Rashid, Ana Moreira, João Araújo
March 2003 **Proceedings of the 2nd international conference on Aspect**
development
Publisher: ACM Press
Full text available: ⬚ pdf(1.06 Additional Information: <u>full citation</u>, <u>abst</u>
MB)   <u>citings</u>, <u>index ten</u>

An effective requirements engineering (RE) approach must harmonise th
separation of concerns with the need to satisfy broadly scoped requireme
Techniques such as use cases and viewpoints help achieve separation of
concerns but ensuring their consistency with global requirements and co
unsupported. In this paper we propose an approach to modularise and co
crosscutting, aspectual requirements. The approach is based on ...

Keywords: aspect composition, aspect-oriented requirements engineerin

offs, traceability

7 <u>Software reuse</u>
◈ Charles W. Krueger
June 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 2
Publisher: ACM Press
Full text available: 🗎 <u>pdf(4.96 MB)</u>   Additional Information: <u>full citation, abst</u>
                                                                <u>citings</u>, <u>index ter</u>

Software reuse is the process of creating software systems from existing
building software systems from scratch. This simple yet powerful vision
1968. Software reuse has, however, failed to become a standard software
practice. In an attempt to understand why, researchers have renewed thei
software reuse and in the obstacles to implementing it. This paper survey
approaches to software reuse found in the ...

Keywords: abstraction, cognitive distance, software reuse

8 <u>Pattern-based fault diagnosis using neural networks</u>
◈ W. E. Dietz, E. L. Kiech, M. Ali
June 1988 **Proceedings of the 1st international conference on Industria**
        applications of artificial intelligence and expert systems - Vo
        '88
Publisher: ACM Press
Full text available: 🗎 <u>pdf(1.01 MB)</u>   Additional Information: <u>full citation, abst</u>
                                                                <u>citings</u>, <u>index ter</u>

The detection and diagnosis of faults in real time are active areas of rese:
based expert systems. Several methods of diagnosis have been applied tc
physical systems. Rule-based approaches have been applied successfully
However, encoding knowledge in rule bases raises many difficult knowl·
issues; in addition, rule-based systems are often too slow to be effectivel
time environment. More advanced diagnostic syste ...

9 <u>DAIDA: an environment for evolving information systems</u>
◈ M. Jarke, J. Mylopoulos, J. W. Schmidt, Y. Vassiliou

January 1992 **ACM Transactions on Information Systems (TOIS)**, Vol
Publisher: ACM Press
Full text available: 📄 pdf(3.63   Additional Information: <u>full citation</u>, <u>abst</u>
                        MB)   <u>citings</u>, <u>index ter</u>

> We present a framework for the development of information systems ba:
> that the knowledge that influences the development process needs to son
> represented, and managed if the development process is to be rationalize
> a prototype environment developed in ESPRIT project DAIDA demonst
> The project has implemented an environment based on state-of-the-art la
> requirements modeling, design and implementation of informat ...

> **Keywords:** knowledge engineering, mapping assistant, multi-level speci
> software information system, software process model

10 B2B e-commerce and enterprise integration: The application of reusable p
business modeling in equipment management
Zhaojun Yang, Naiding Yang, Yali Zhang
August 2005 **Proceedings of the 7th international conference on Electr**
         ICEC '05
Publisher: ACM Press
Full text available: 📄 pdf(373.52 Additional Information: <u>full citation</u>, <u>abst</u>
                        KB)   <u>index terms</u>

> For current modeling methodologies lack of reusable technologies in bu:
> relations between patterns and question domains are analyzed firstly, the
> modeling business based on analysis pattern and business pattern is prop
> of enterprise equipment management business modeling by applying me
> and resource allocation pattern is given.

> **Keywords:** analysis pattern, business modeling, business pattern

11 Requirements engineering in the year 00: a research perspective
Axel van Lamsweerde
June 2000 **Proceedings of the 22nd international conference on Softwa**
Publisher: ACM Press

Full text available: 🅿 pdf(205.79 Additional Information: <u>full citation</u>, <u>abst</u>
KB) <u>citings</u>, <u>index ter</u>

Requirements engineering (RE) is concerned with the identification of tł
achieved by the envisioned system, the operationalization of such goals i
constraints, and the assignment of responsibilities for the resulting requii
such as humans, devices, and software. The processes involved in RE inʻ
analysis, elicitation, specification, assessment, negotiation, documentatic
Getting high-quality requirements is difficult and ...

12 <u>UPi: a software development process aiming at usability, productivity and</u>
Kenia Sousa, Elizabeth Furtado, Hildeberto Mendonça
October 2005 **Proceedings of the 2005 Latin American conference on H
interaction CLIHC '05**
Publisher: ACM Press
Full text available: 🅿 pdf(449.49
KB) Additional Information: <u>full citation</u>, <u>abst</u>

This paper presents the definition of a software development process (SI
practices from Software Engineering (SE) and Human-Computer Interac
three main goals. First, we intend to help professionals from both areas iʻ
interactive systems with usability. Second, we want to make HCI an essє
processes by facilitating the communication between professionals from
thus, bringing productivity to a new working environment. Third ...

Keywords: integration, productivity, return on investment, software dev
usability

13 <u>Industrial and practical experience track paper session 2: Diversified SCM</u>
<u>Japanese retail industry</u>
Koichi Hayashi, Naoki Koguro, Reki Murakami
May 2005 **Special interest tracks and posters of the 14th international ₍
World Wide Web**
Publisher: ACM Press
Full text available: 🅿 pdf(623.54 Additional Information: <u>full citation</u>, <u>abst</u>
KB) <u>index terms</u>

In this paper, we present the concept of a *diversified SCM (supply chain*

standard and distributed hub architecture which were used in B2B expe
Japanese retail industry. The conventional concept of B2B standards dev
set of business transactions to be supported. In contrast, our concept allo
diverse business transaction patterns necessary for industry supply chain
develops a standard SCM model that partitions the ...

Keywords: B2B collaboration, SOA (service oriented architecture), busi
management, ebXML, retail industry, standardization, supply chain man
services

14 Fast formal analysis of requirements via "Topoi Diagrams"
Tim Menzies, John Powell, Michael E. Houle
July 2001 **Proceedings of the 23rd International Conference on Softwa**
Publisher: IEEE Computer Society
Full text available: pdf(190.29
KB)   Additional Information: full citation, abst
Publisher   index terms
Site

Early testing of requirements can decrease the cost of removing errors ii
However, unless done carefully, that testing process can significantly ad
requirements analysis. We show here that requirements expressed as top
built and tested cheaply — using our SP2 algorithm, the formal tempora
large class of topoi can be proven very quickly, in time nearly linear in t
and edges in the diagram. T ...

15 Development of computer-based information systems: a communication pe
Robert P. Bostrom
August 1984 **ACM SIGCPR Computer Personnel**, Volume 9 Issue 4
Publisher: ACM Press
Full text available: pdf(707.80
KB) Additional Information: full citation, abst

It is still too often the case that Computer-Based Information Systems (C
behind schedule, over cost, do not do as much as promised, and do not s;
After 25 years of experience building these systems, why do these troubl
arise? A good part of the answer is that the requirements for these systen
accurately and/or completely in the first place. If the requirement statem

or incomplete, how can the resulting syst ...

16 <u>OO process and metrics for effort estimation</u>
Granville Miller
January 1997 **Addendum to the 1997 ACM SIGPLAN conference on Ol**
　　　　　　 programming, systems, languages, and applications (Add
Publisher: ACM Press
Full text available: _pdf(233.26
　　　　　　 KB) Additional Information: <u>full citation</u>, <u>inde</u>

17 <u>DDD papers: Software factories: assembling applications with patterns, mc</u>
<u>and tools</u>
Jack Greenfield, Keith Short
October 2003 **Companion of the 18th annual ACM SIGPLAN conferen**
　　　　　　 oriented programming, systems, languages, and applicati
Publisher: ACM Press
Full text available: _pdf(707.51 Additional Information: <u>full citation</u>, <u>abst</u>
　　　　　　 KB) 　　　　　　　　　　　　　　　 <u>citings</u>, <u>index ten</u>

The confluence of component based development, model driven develop
product lines forms an approach to application development based on the
software factories. This approach promises greater gains in productivity
than those produced by incremental improvements to the current paradig
orientation, which have not kept pace with innovation in platform techno
factories promise to make application assembly more cost effective thro

Keywords: design patterns, domain-specific languages, model-driven de
software factories, software product lines

18 <u>Extending performance approaches to new application domains: Performar</u>
<u>development (PASD) using resource demand budgets</u>
Khalid H. Siddiqui, C. M. Woodside
July 2002 **Proceedings of the 3rd international workshop on Software :**
　　　　　　 WOSP '02
Publisher: ACM Press

Full text available: 🖺 pdf(137.49 KB)   Additional Information: <u>full citation</u>, <u>abst</u> <u>citings</u>

Performance Aware Software Development (PASD) as described here cc specification, a model, and resource demand budgets. The budgets are pl created by the designers and managers, from the requirements and their « elements of this approach are the *planning of budgets* for the resource de the parts and operations of the system, and a *validation check* (using the required performance. The paper starts from a ...

Keywords: performance budgets, performance prediction, performance : scenario specification, software performance engineering

19 <u>Fast detection of communication patterns in distributed executions</u>
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for A on Collaborative research**
Publisher: IBM Press
Full text available: 🖺 pdf(4.21 MB)   Additional Information: <u>full citation</u>, <u>abst</u> <u>index terms</u>

Understanding distributed applications is a tedious and difficult task. Vis on process-time diagrams are often used to obtain a better understanding the application. The visualization tool we use is Poet, an event tracer dev University of Waterloo. However, these diagrams are often very comple the user with the desired overview of the application. In our experience, repeated occurrences of non-trivial commun ...

20 <u>A pattern-based application generator for building simulation</u>
◆ Martin Schuetze, Jan Peter Riegel, Gerhard Zimmermann
November 1997 **ACM SIGSOFT Software Engineering Notes , Proceed European conference held jointly with the 5th ACM SI international symposium on Foundations of software e '97/FSE-5,** Volume 22 Issue 6
Publisher: Springer-Verlag New York, Inc., ACM Press
Full text available: 🖺 pdf(1.23 MB)   Additional Information: <u>full citation</u>, <u>refe</u>

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IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
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                        ☐   **2. Fast calculation of the coefficients of th**
IEEE IEEE   **in 2-D FIR filter design**
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                               Circuits and Systems, 1993., ISCAS '93, 1
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Lasselin, D.; Sempere, J.P.; Cantou, J.Ph.;
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Lambot, S.; Slob, E.C.; van den Bosch, I.;
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Murray, M.;
System Sciences, 2002. HICSS. Proceedir
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☐ **7. Mapping requirements to reusable com**
Baum, L.; Becker, M.; Geyer, L.; Molter,
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Engel, K.R.;
Digital Avionics Systems Conference, 19(
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Martineau, M.; Cole, E.L.;
Radar Conference, 1995., Record of the II
8-11 May 1995 Page(s):536 - 541
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Cyre, W.;
Rapid System Prototyping, 1991. 'Shorter
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Digital Object Identifier 10.1109/IWRSP.

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☐ **11. Use of multiple cases in case-based desi**
Tanaka, T.; Hattori, M.; Sueda, N.;
Artificial Intelligence for Applications, 1
Conference on
2-6 March 1992 Page(s):233 - 239
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